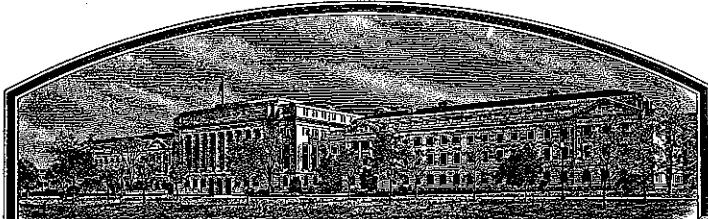


No.



# THE UNITED STATES OF AMERICA

**TO ALL TO WHOM THESE PRESENTS SHALL COME:**  
**Board of Supervisors of Louisiana State University and**  
**Agricultural and Mechanical College**

**Whereas,** THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HERETO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC DEPOSIT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE EXCLUSIVE RIGHT TO SELL THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR BREEDING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED IN THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

RICE

'CL161'

Reissuance, original grant, March 11, 2005

In Testimony Whereof, I have hereunto set my hand  
 and caused the seal of the Plant Variety  
 Protection Office to be affixed at the City of  
 Washington, D.C. this twenty-first day of  
 August, in the year two thousand and six.

Attest:

Commissioner

Plant Variety Protection Office  
 Agricultural Marketing Service

Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

**APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE**  
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER <i>RAD 8/12/04</i> Board of Supervisors of Louisiana State University and LSU Agricultural and Mechanical College		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME CFX18	3. VARIETY NAME CL161
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)  <i>P.O. Box 1429 Crowley, LA 70527-1429 RAD 9/4/04</i>		5. TELEPHONE (Include area code) 337/788-7531	6. FAX (Include area code) 337/788-7553
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.)  <i>Louisiana public constitutional corporation, created by the Louisiana state constitution.</i>		8. IF INCORPORATED, GIVE STATE OF INCORPORATION	9. DATE OF INCORPORATION <i>June 26, 2002</i>
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers)  <i>RAD 8/12/04</i> John H. Runnels Taylor, Porter, Brooks & Phillips, L.L.P. P.O. Box 2471 Baton Rouge, LA 70821		FILING AND EXAMINATION FEES:  <i>\$ 270.50</i> DATE <i>6/26/02</i>  <i>\$ 432.00</i> DATE <i>10/12/04</i>	
11. TELEPHONE (Include area code) 225-381-0257	12. FAX (Include area code) 225-346-8049	13. E-MAIL john.runnels@taylorporter.com	14. CROP KIND (Common Name) Rice
15. GENUS AND SPECIES NAME OF CROP <i>Oryza sativa</i>		16. FAMILY NAME (Botanical) Gramineae	17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)		19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? See Section 83(a) of the Plant Variety Protection Act. <input checked="" type="checkbox"/> YES (If "yes", answer items 20 and 21 below) <input type="checkbox"/> NO (If "no", go to item 22)	
a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety d. <input type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$2,705), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)		20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, WHICH CLASSES? <input checked="" type="checkbox"/> FOUNDATION <input checked="" type="checkbox"/> REGISTERED <input checked="" type="checkbox"/> CERTIFIED	
		21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, SPECIFY THE <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED * NUMBER 1,2,3, etc. (If additional explanation is necessary, please use the space indicated on the reverse.)	
22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)	
24. The owners declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.			

SIGNATURE OF OWNER

SIGNATURE OF OWNER

NAME (Please print or type)

*STEVE LINS COMBE*

NAME (Please print or type)

*RICE Breeder*

DATE

*5/28/02*

DATE

## INSTRUCTIONS

200200198

**GENERAL:** To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (*in the sense that it will reproduce an entire plant*) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$2,705 (\$320 filing fee and \$2,385 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the *Regulations and Rules of Practice*.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$320 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

## Plant Variety Protection Office

Telephone: (301) 504-5518

FAX: (301) 504-5291

Homepage: <http://www.ams.usda.gov/science/pvpo/pvp.htm>

## ITEM

- 18a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;  
 (2) the details of subsequent stages of selection and multiplication;  
 (3) evidence of uniformity and stability; and  
 (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified

18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:

- (1) identify these varieties and state all differences objectively;
- (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
- (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.

18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.

18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.

18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.

19. If "Yes" is specified (*seed of this variety be sold by variety name only, as a class of certified seed*), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See *Regulations and Rules of Practice*, Section 97.103).

22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.

23. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

21. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)

22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

SALE

June 2001 - Foundation Seed - USA only

Seed transferred on Oct. 17, 2001

RAO 9/29/04

23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

RAO 8/12/06

US Patent no. 7,019,196, filed 11/05/1999

Issued 03/28/2006

USA 09/14/1999 S952SS3

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the *Regulations and Rules of Practice*.)

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center-East, Beltsville, MD 20705. Telephone: (301) 504-8089. <http://www.ams.usda.gov/lsg/seed/ls-sd.htm>

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this collection of information is (0581-0055). The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, sexual orientation, or marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20205-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

S&T-470 (04-01) designed by the Plant Variety Protection Office with WordPerfect 6.0a. Replaces STD-470 (02-99) which is obsolete.

20200198

**EXHIBIT A**

**ORIGIN AND BREEDING HISTORY OF THE VARIETY**

CL161 is a pureline variety that was selected from an induced mutation population from the rice variety Cypress. The line was selected for resistance to the herbicide imazethapyr. The mutation then conferred resistance to imazethapyr was created by soaking seed of the variety Cypress in a solution containing ethyl methane sulfonate (EMS). EMS has been widely used as an agent to induce mutations in plants. A large number of seed of the variety Cypress were treated then these seed were grown to produce a second generation of seed (after mutagenesis). These seed were then planted and the resulting plants were treated with imazethapyr. One plant survived this treatment. This plant was retested and found to, in fact, be resistant to the herbicide treatment. CL161 was selected from a homogeneous population of imazethapyr-resistant lines derived from this one resistant plant. It was headrowed for one generation at the LSU AgCenter's Rice Research Station in Crowley, Louisiana, and two generations at the Breeding Project's winter nursery facility at the University of Puerto Rico's Research Station at Lajas. In each generation, the plants were sprayed with .250 lb/A active ingredient of imazethapyr to confirm resistance to the herbicide. The line was tested at the Rice Research Station in 2000. It was entered into the Louisiana commercial-advanced rice testing program in 2001 and tested at seven statewide locations. Breeder seed from the headrow increase was grown in Puerto Rico during the winter of 2000-2001, and foundation seed was produced at the Rice Research Station during the summer of 2001. Selection criteria for this line included imazethapyr resistance, earliness, yield, grain quality, and ratoon production.

CL161 has been observed to be uniform and stable for three generations.

Variants observed and removed from increase fields included any combination of the following: non-imazethapyr resistant, taller, shorter, pubescent, earlier, later, and medium grain. The total number of variants numbered less than 1 per 5000 plants. The variety Cypress is not resistant to imazethapyr.

200200198

**EXHIBIT B**

**STATEMENT OF DISTINCTNESS**

CL161 is an early maturing imazethapyr resistant, long-grain rice variety. The line originated from a selection of an induced mutant population from the variety Cypress. Cypress is an early maturing, long-grain variety developed by the LSU AgCenter's Rice Research Station and released in 1992. In testing, the line has averaged 90 days to 50% heading compared with 91 for Cypress and 84 for CL121. In those same tests, it has averaged 97 cm in height compared with 91 for Cypress.

CL161 most closely resembles the rice variety Cypress. In fact, CL161 is phenotypically very similar to Cypress and difficult to differentiate in the field. However, Cypress is not resistant to imazethapyr and CL161 is highly resistant to imazethapyr. CL161 has been evaluated for resistance to imazethapyr for six generations and the resistance is at a high level and is very stable.

CL161 differs from all conventional rice varieties (including 'Adair' and 'Millie') by the fact that it is resistant to imazethapyr and these conventional varieties are not.

U.S. DEPARTMENT OF AGRICULTURE  
PLANT VARIETY PROTECTION OFFICE, AMS, USDA  
NATIONAL AGRICULTURAL LIBRARY Bldg., Rm. 500  
10301 BALTIMORE Blvd.  
BELTSVILLE, MD 20705

**OBJECTIVE VARIETY DESCRIPTION**  
**RICE (*Oryza sativa*)**

Name of Applicant(s)	Temporary Designation	Variety Name
Board of Supervisors of Louisiana State University and Agricultural and Mechanical College	CFX18	CL161
Address (Street and No. or R.F.D. No., City, State, and Zip Code)		<u>FOR OFFICIAL USE ONLY</u>
<b>Louisiana State University Agricultural Center Rice Research Station P. O. Box 1429 Crowley, LA 70527-1429</b>		PVPO Number
		20200198

Place the appropriate number that describes the character of this variety in the spaces provided below. These numbers are also code numbers corresponding to descriptors developed by IBGR-IRRI Rice Advisory Committee and the US Rice Crop Advisory Committee. Breeders will demonstrate novelty more readily by describing as many characters as is possible.

1. MATURITY - Days to Heading (Seeding to 50% Heading):

A. South: (Location: Louisiana, Crowley) at 160 kg/ha (Nitrogen rate)

90 Number of days

1 Days earlier than Check variety: Cypress

Days same as Check variety: \_\_\_\_\_

6 Days later than Check variety: CL121

2 Maturity Class (50% heading) - South: 1 = Very early (less than 86 days) 2 = Early (86 - 100)  
3 = Intermediate (101 - 115) 4 = Late (more than 115)

B. California: (Location: \_\_\_\_\_) at \_\_\_\_\_ kg/ha (Nitrogen rate)

Number of days

Days earlier than Check variety: \_\_\_\_\_

Days same as Check variety: \_\_\_\_\_

Days later than Check variety: \_\_\_\_\_

Maturity Class (50% heading) - California: 1 = Very early (less than 91 days) 2 = Early (91 - 97)  
3 = Intermediate (98 - 104) 4 = Late (more than 104 days)

2. CULM:

1 ANGLE (Degrees from Perpendicular after Flowering):

1 = Erect (less than 30°) 3 = Intermediate (about 45°) 5 = Open (about 60°)  
7 = Spreading (more than 60° but the culms do not rest on the ground)  
9 = Procumbent (the culm or its lower part rests on the ground surface)

## 2. CULM: (continued)

## LENGTH

9 3 cm (Soil level to top of extended panicle on main stem)

200200198

1 3 cm Shorter than Check variety: Earl

Length same as Check variety: \_\_\_\_\_

5 cm Longer than Check variety: CL1212 HEIGHT CLASS: 1 = Semidwarf 2 = Short 3 = Medium 4 = Tall2 INTERNODE COLOR (After flowering): 1 = Green 2 = Light Gold 3 = Purple lines 4 = Purple3 STRENGTH (Lodging resistance): 1 = Strong (no lodging) 3 = Moderately strong (most plants leaning)  
5 = Intermediate (most plants lodged) 7 = Weak (most plants flat)  
9 = Very weak (all plants flat)

## 3. FLAG LEAF (After Heading):

3 4 cm LENGTH 1 1 mm WIDTH1 PUBESCENCE: 1 = Glabrous 2 = Intermediate 3 = Pubescent3 LEAF ANGLE (after heading): 1 = Erect 3 = Intermediate 5 = Horizontal 7 = Descending2 BLADE COLOR: 1 = Pale Green 2 = Green 3 = Dark Green 4 = Purple tips  
5 = Purple margins 6 = Purple blotch 7 = Purple1 BASAL LEAF SHEATH COLOR: 1 = Green 2 = Purple lines 3 = Light purple 4 = Purple

## 4. LIGULE:

8 mm LENGTH (from base of collar to the tip, at late vegetative stage)1 COLOR (Late vegetative state): 1 = White 2 = Purple lines 3 = Purple1 SHAPE: 1 = Acute to acuminate 2 = 2-Cleft 3 = Truncate1 COLLAR COLOR (late vegetative stage): 1 = Pale green 2 = Green 3 = Purple1 AURICLE COLOR (late vegetative stage): 1 = Pale green 2 = Purple

## 5. PANICLE:

1 7 cm LENGTH5 TYPE: 1 = Compact 5 = Intermediate 9 = Open2 SECONDARY BRANCHING: 1 = Absent 2 = Light 3 = Heavy 4 = Clustering2 EXsertion (near maturity): 1 = Less than 90% 2 = 90 - 99% 3 = 100% exserted1 AXIS: 1 = Straight 2 = Droopy3 SHATTERING: 1 = Very low (less than 1%) 3 = Low (1 - 5%) 5 = Moderate (6 - 25%)  
7 = Moderately high (26 - 50%) 9 = High (more than 50%)3 THRESHABILITY: 1 = Difficult 2 = Intermediate 3 = Easy

## 6. GRAIN (Spikelet):

200200198 00198

1 AWNS (after full heading): 0 = Absent 1 = Short and partly awned 5 = Short and fully awned  
7 = Long and partly awned 9 = Long and fully awned

6 APICULUS COLOR (at maturity): 1 = White 2 = Straw 3 = Brown (tawny) 4 = Red  
5 = Red apex 6 = Purple 7 = Purple apex

1 STIGMA COLOR: 1 = White 2 = Light green 3 = Yellow 4 = Light purple 5 = Purple

0 LEMMA AND PALEA COLOR (at maturity):

0 = Straw	1 = Gold and/or gold furrows on straw background	2 = Brown spots on straw (piebald)
3 = Brown furrows on straw	4 = Brown (tawny)	5 = Reddish to light purple
6 = Purple spots on straw	7 = Purple furrows on straw	8 = Purple
9 = Black	10 = White	

1 LEMMA AND PALEA PUBESCENCE: 1 = Glabrous 2 = Hairs on lemma keel 3 = Hairs on upper portion  
4 = Short hairs 5 = Long hairs (velvety)

1 SPIKELET STERILITY (at maturity): 1 = Highly fertile (>90%) 3 = Fertile (75-90%) 5 = Partly sterile (50-74%)  
7 = Highly sterile (<50% to trace) 9 = Completely sterile (0%)

## 7. GRAIN (Seed):

2 SEED COAT (bran) COLOR: 1 = White 2 = Light brown 3 = Speckled brown 4 = Brown  
5 = Red 6 = Variable purple 7 = Purple

1 ENDOSPERM TYPE: 1 = Nonglutinous (nonwaxy) 2 = Glutinous (waxy) 3 = Indeterminate

1 ENDOSPERM TRANSLUCENCY: 1 = Clear 5 = Intermediate 9 = Opaque

1 ENDOSPERM CHALKINESS: 0 = None 1 = Small (less than 10% of sample)  
5 = Medium (10-20% of sample) 9 = Large (more than 20% of sample)

0 SCENT (Aroma): 0 = Nonscented 1 = Lightly scented 2 = Scented

## SHAPE CLASS (length/width ratio):

3 PADDY 1 = Short (2.2:1 and less) 2 = Medium (2.3:1 to 3.3:1) 3 = Long (3.4:1 and more)

3 BROWN 1 = Short (2.0:1 and less) 2 = Medium (2.1:1 to 3.0:1) 3 = Long (3.1:1 and more)

3 MILLED 1 = Short (1.9:1 and less) 2 = Medium (2.0:1 to 2.9:1) 3 = Long (3.0:1 and more)

## MEASUREMENTS:

Grain Form	Length (mm)	Width (mm)	Thickness (mm)	L/W Ratio	1000 Grains (grams)
Paddy	<u>9.18</u>	<u>2.50</u>	<u>1.87</u>	<u>3.67</u>	<u>20.1</u>
Brown	<u>7.01</u>	<u>2.18</u>	<u>1.60</u>	<u>3.21</u>	<u>17.4</u>
Milled	<u>6.83</u>	<u>2.12</u>	<u>1.58</u>	<u>3.22</u>	<u>16.9</u>

19 Milling quality (% hulls) 66 Milling yield (% whole kernel (head) rice to rough rice)

7.8 % Protein 21.8 % Amylose

Alkali Spreading value: \_\_\_\_\_ 1.5% KOH Solution 4.1 1.7% KOH Solution

## 7. GRAIN (Seed): (continued)

200200198

5 GELATINIZATION TEMPERATURE TYPE: 1 = High 5 = Intermediate 7 = Low

Amylographic Paste Viscosity (Brabender Units)  
 Peak Hot Paste Cooled Paste 'Breakdown' 'Setback'  
440 300 700 150/260

## 8. RESISTANCE TO LOW TEMPERATURE:

2 GERMINATION AND SEEDLING VIGOR: 1 = Low 2 = Medium 3 = High

2 FLOWERING (Spikelet fertility): 1 = Low 2 = Medium 3 = High

## 9. SEEDLING VIGOR NOT RELATED TO LOW TEMPERATURE:

3 VIGOR: 1 = Low 2 = Medium 3 = High

10. BLAST RESISTANCE (*Pyricularia Oryzae*). (International races found under references)

0 = Immune 1 = Resistant 3 = Moderately resistant 5 = Intermediate 7 = Moderately susceptible 9 = Susceptible

Group	IB	IC	ID	IE	IG	IH
Number	1	5	45	49	54	1
Resistance	<u>—</u>	<u>—</u>	<u>—</u>	<u>7</u>	<u>—</u>	<u>—</u>

## 11. RESISTANCE TO OTHER DISEASES:

0 = Immune 1 = Resistant 3 = Moderately resistant 5 = Intermediate 7 = Moderately susceptible 9 = Susceptible

7 Narrow Brown Leaf Spot *Cercospora oryzae* — Aggregate Sheath Spot *Rhizoctonia oryzae-sativae*

7 Leaf Smut *Entyloma oryzae* 3 Straight Head

7 Brown Leaf Spot *Helminthosporium oryzae*  
 (= *Bipolaris oryzae*)  
 (= *Drechslera oryzae*) 7 Kernel Smut *Neovossia horrida*  
 (= *Tilletia barclayana*)

— Leaf Scald *Gerlachia oryzae* — White Tip Nematode *Aphelenchoides besseyi*

— Hoja Blanca Virus 5 Stem Rot *Sclerotium oryzae*

— Sheath Rot *Sarocladium oryzae*

— Pythium Seedling Blight *Pythium* sp. — Bacterial Blight *Xanthomonas campestris* pv. *oryzae*

7 Sheath Spot *Rhizoctonia oryzae* 7 Sheath Blight *Rhizoctonia solani*

— Other: \_\_\_\_\_

## 12. INSECT RESISTANCE:

0 = Immune 1 = Resistant 3 = Moderately resistant 5 = Intermediate 7 = Moderately susceptible 9 = Susceptible

— Grasshopper 9 Rice Stink Bug *Oebalus pugnax*

— Rice Leafhopper — Swarm Caterpillar

— Rice Hispa 9 Rice Water Weevil *Lissorhoptrus oryzophilus*

— Rice Midge 8 Rice Stalk Borer *Chilo plejadellus*

— Least Skipper — Sugarcane Borer *Diatraea saccharalis*

13. OTHER DESCRIPTORS: If there are other characters that describe this variety, please indicate below:

2 0 0 2 0 0 1 9 8

---

#### REFERENCES

1. C. R. Adair *et al.* 1972. Rice in the United States: Varieties and Production. USDA Handbook No. 289 (Rev.), 124 pp.
2. J. G. Atkins *et al.* 1967. An International Set of Rice Varieties for Differentiating Race of *Pyricularia Oryzae*. Phytopath. 57:297-301.
3. IBPGR-IRRI Rice Advisory Committee. 1980. Descriptors for Rice *Oryza sativa L.*). International Rice Research Institute. 21 pp.
4. K. C. Ling and S. H. Ou, 1969. Standardization of the International Race Numbers of *Pyricularia Oryzae*. Phytopath. 59:339-342.
5. B. D. Webb *et al.* 1985. Utilization Characteristics and Qualities of United States Rice. In Proceedings on Rice Grain Quality and Marketing. International Rice Research Institute (IRRI), Los Banos, Philippines. p. 25-35.

ENTRY	SOURCE	VIG	DAYS	LDG	INCH	YLD	WHOLE	TOTAL
236	EARL	3	81		41	9198	68.9	71.2
256	RU 9901081	3	80		39	9015	63.9	68.9
220	XP 1003	5	80		42	8540	62.5	70.5
227	0002146	5	80		40	8462	67.4	70.4
247	LAGRUE	4	80		43	8316	64.5	69.7
237	BENGAL	3	81		38	8140	68.6	70.5
219	9802028	4	83		41	7640	68.6	70.4
241	WELLS	3	82		40	7625	66.2	71.6
214	0002174	4	82		34	7588	68.6	71.7
243	DREW	3	83		42	7514	69.0	71.2
222	XP 1015	4	75		43	7404	62.5	70.2
209	0102002	4	76		35	7333	65.0	71.3
257	RU 0001151	4	81		39	7332	70.3	71.5
229	LL 001	4	83		36	7328	71.8	73.4
244	JACKSON	3	79		40	7326	64.6	69.0
217	0102068	4	85		37	7322	69.2	71.2
212	0102022	3	81		37	7283	68.8	71.9
211	0102008	3	78		36	7233	67.0	70.7
258	RU 0104073	5	82		37	7225	67.1	69.6
240	COCODRIE	4	80		36	7191	64.7	69.7
224	9902195	5	83		36	7171	66.9	70.9
234	99LL 355	4	81		35	7162	68.4	71.5
208	9802051	4	80		33	7102	67.8	70.4
213	0102034	4	80		33	7094	69.1	71.7
230	LL 401	3	81		35	7044	70.1	72.3
255	AHRENT (9901030)	4	77		41	7038	65.1	69.0
206	0002011	5	80		35	7035	70.7	73.0
251	TORO-2	3	84		43	7025	68.3	71.1
203	CL 141	4	80		41	6937	65.8	70.8
210	0102005	4	79		34	6916	66.0	69.9
250	PRISCILLA	4	80		35	6898	66.5	69.8
226	0002140	4	85		38	6857	63.6	67.8
238	LAFITTE	4	79		38	6845	70.1	71.1
245	JEFFERSON	4	74		37	6812	63.8	69.9
204	CL 161	5	84		38	6807	68.1	69.9
231	LL 601	3	81		34	6778	71.8	73.3
246	MAYBELLE	4	74		39	6752	62.8	69.1
215	0102048	4	83		37	6724	70.3	71.6
218	0102071	4	82		32	6708	69.7	72.2
216	0102065	5	82		36	6580	69.3	71.5
235	99LL 624	4	79		34	6575	67.4	70.5
207	0002062	4	83		35	6518	66.5	70.1
228	0002125	5	87		38	6513	67.8	70.8

2001 CA - EVANGELINE

200200198

ENTRY	SOURCE	VIG	DAYS	LDG	INCH	YLD	WHOLE	TOTAL
202	CL 121	4	75		37	6491	67.2	71.1
233	99LL 184	3	79		34	6476	68.0	71.3
232	99LL 113	4	79		35	6378	67.2	71.5
259	RU 9903092	4	80		37	6338	69.6	71.9
242	CYPRESS	5	83		35	6296	70.8	71.8
260	RU 9803181	5	82		35	6276	70.0	72.3
205	CFX 29	4	81		38	6259	69.1	70.7
201	CF 51	4	75		34	6016	66.0	70.1
252	DELLROSE	5	81		39	5994	68.9	70.8
221	9902134	5	85		40	5984	68.4	71.6
248	SABER (TX 6178)	3	81		37	5963	67.0	68.5
223	9902155	5	85		39	5912	71.0	72.6
249	LEMONT	5	84		35	5911	70.9	72.5
239	S-102	5	72	47	40	5250	66.5	71.0
225	0002137	4	85		40	5174	62.2	68.5
253	DELLA	4	83	60	49	4836	61.2	69.6
254	DELLMATI	5	75	43	44	4644	62.6	71.2
C.V. 5		17.0	1.6		4.1	7.7	2.4	1.4
LSD (0.05)		1.1	2.0		2.5	859.8	3.4	2.0



2001 CA - JEFF DAVIS

200200198

ENTRY	SOURCE	VIG	DAYS	INCH	LDG	YLD	SB	YLD-2	TOTAL YIELD
233	99LL 184	3	79	34		6366	8	1322	7689
218	0102071	4	80	31		6889	8	743	7632
252	DELLROSE	5	78	37	17	6293	7	1291	7584
240	COCODRIE	5	78	35		6356	8	1210	7566
246	MAYBELLE	4	71	41	30	6705	8	792	7497
242	CYPRESS	4	82	35		6634	8	817	7450
232	99LL 113	4	79	34		6414	8	934	7348
204	CL 161	5	81	36		6387	8	629	7016
249	LEMONT	4	81	38	17	6559	8	367	6926
220	CFX 001	5	83	34		6171	8	741	6912
225	0002137	5	83	40	23	6205	7	690	6895
239	S-102	5	68	38	87	6613	8	268	6881
205	CFX 29	4	81	37	10	6083	8	696	6779
222	CFX 002	4	81	37	23	5690	8	782	6473
201	CF 51	5	77	34	20	5673	8	567	6240
253	DELLA	5	83	54	77	5741	6	407	6149
254	DELLMATI	5	72	42	53	4507	8	1158	5665
C.V. %		12.3	1.4	4.0		6.6		29.2	7.4
LSD (0.05)		0.9	1.8	2.4		777.8		447.4	985.3

ACCU



ENT	SOURCE	VIG	DAYS	INCH	YLD	LDG	SB	RNB	WHOLE	TOTAL	YLD-2	TOTAL YIELD
206	0002011	4	73	39	6996	47	8	3	67.4	72.2	1558	8554
255	AHRENT (9901030)	4	73	42	6992		6	2	65.6	70.1	1503	8495
209	0102002	5	74	37	6300	7	7	5	61.5	68.9	2103	8403
204	CL 161	4	79	37	6511	20	8	1	66.7	71.4	1890	8402
218	0102071	5	81	33	6640		7	3	61.8	68.4	1731	8370
205	CFX 29	4	79	39	6522	33	8	4	68.3	72.4	1771	8294
251	TORO-2	4	83	43	6549		6	0	61.4	69.7	1615	8164
203	CL 141	3	78	46	6057	10	7	6	62.2	69.3	1983	8040
202	CL 121	4	72	36	6215		7	5	66.6	72.1	1610	7825
225	0002137	4	83	40	5657		7	1	51.5	66.2	1952	7609
226	0002140	4	82	40	5859		7	3	58.0	67.0	1316	7175
201	CF 51	4	74	36	5499	17	8	5	60.2	69.2	1457	6955
250	PRISCILLA	5	77	37	5578		5	6	45.7	64.5	1346	6924
254	DELLMATI	5	69	43	3479	90	7	1	60.7	70.6	2012	5491
253	DELLA	4	84	54	4108	87	6	1	58.3	67.7	1133	5240
228	0002125	4	84	38	3468		7	7	37.5	56.6	1476	4944
239	S-102	4	71	38	3503		8	8	55.9	68.3	1293	4795
C.V. %		14.1	1.4	3.9	8.8				10.1	2.0	23.8	9.5
LSD (0.05)		0.9	1.7	2.5	963.8				10.5	2.3	866.5	1380.9



2001 CA - ACADIA

200200198

ENTRY	SOURCE	VIG	DAYS	INCH	YLD	LDG	WHOLE	TOTAL
226	0002140	4	84	38	6712		59.8	65.9
239	S-102	4	70	39	6597	80	68.3	71.8
223	9902155	4	83	37	6592		65.0	67.8
260	RU 9803181	5	80	34	6565		65.9	69.4
201	CF 51	5	75	34	6361		65.0	70.2
259	RU 9903092	4	75	33	6150		64.5	69.0
249	LEMONT	4	84	32	6086		64.9	70.5
253	DELLA	4	82	50	6008		61.9	67.4
252	DELLROSE	5	79	38	5887		66.5	69.8
246	MAYBELLE	4	70	38	5852	80	60.4	67.6
248	SABER (TX 6178)	4	80	37	5689		66.3	68.1
225	0002137	4	84	38	5634		56.0	65.1
254	DELLMATI	5	72	42	4359	30	62.4	67.6
C.V. %		11.6	1.2	4.0	7.6		2.2	1.1
LSD (0.05)		0.8	2.4	1.5	871.2		2.8	1.6

2001 CA - EAST CARROLL

200200198

ENTRY	SOURCE	DAYS	INCH	YLD	LDG
257	RU 0001151	73	41	10994	
236	EARL	74	44	10800	43
256	RU 9901081	74	44	10683	
220	XP 1003	76	48	10609	3
237	BENGAL	76	41	10457	
221	9902134	72	42	10350	
222	XP 1015	69	51	10137	
224	9902195	75	42	10086	
223	9902155	77	44	9916	
227	0002146	70	42	9912	
217	0102068	80	41	9897	
219	9802028	78	42	9723	
214	0002174	77	38	9467	
247	LAGRUE	75	46	9433	
212	0102022	76	42	9425	
206	0002011	73	42	9413	
211	0102008	73	41	9298	
241	WELLS	75	43	9214	
229	LL 001	77	42	9213	
240	COCODRIE	74	41	9187	
216	0102065	75	41	9154	
218	0102071	79	35	9136	
233	99LL 184	75	42	9062	
231	LL 601	77	37	9061	
235	99LL 624	74	40	8984	
234	99LL 355	75	40	8945	
213	0102034	75	37	8940	
228	0002125	82	44	8932	
230	LL 401	77	37	8916	
210	0102005	73	38	8836	
209	0102002	70	40	8810	
215	0102048	79	41	8809	
204	CL 161	78	42	8794	
205	CFX.29	77	42	8754	3
207	0002062	75	42	8717	
243	DREW	78	49	8572	
226	0002140	74	40	8564	
238	LAFITTE	72	41	8540	
242	CYPRESS	78	41	8519	
249	LEMONT	79	37	8517	
258	RU 0104073	79	40	8387	
250	PRISCILLA	76	40	8236	
208	9802051	74	36	8128	

## 2001 CA - EAST CARROLL

200200198

ENTRY	SOURCE	DAYS	INCH	YLD	LDG
232	99LL 113	75	40	8116	
260	RU 9803181	77	37	8101	
255	AHRENT (9901030	74	43	8061	
202	CL 121	69	38	8055	
244	JACKSON	74	45	7989	
259	RU 9903092	72	40	7984	
251	TORO-2	76	44	7903	
203	CL 141	72	46	7723	
225	0002137	79	42	7701	30
248	SABER (TX 6178)	75	42	7355	
245	JEFFERSON	68	40	7320	
252	DELLROSE	73	41	7307	
239	S-102	66	40	6984	
253	DELLA	76	52	6821	87
246	MAYBELLE	65	40	6417	
201	CF 51	68	35	6408	
254	DELLMATI	69	53	5178	
C.V. %		1.1	4.6	6.1	
LSD (0.05)		1.3	3.1	856.1	



ENTRY	SOURCE	VIG	DAYS	INCH	LDG	YLD	WHOLE	TOTAL	YLD-2	TOTAL YIELD
209	0102002	4	75	32		6647	64.9	70.8	1167	7814
203	CL 141	4	78	41		6399	66.0	71.6	1408	7807
248	SABER (TX 6178)	4	75	37		5292	67.9	69.7	2470	7762
201	CF 51	4	76	32		6853	65.3	70.3	900	7754
251	TORO-2	4	79	43		6583	60.6	69.2	1117	7699
244	JACKSON	5	77	40		6706	64.5	69.9	991	7697
252	DELLROSE	5	76	38		5792	68.5	71.5	1892	7684
213	0102034	4	75	32		6290	68.4	72.4	1369	7658
235	99LL 624	3	74	34		6370	66.4	71.6	1240	7610
230	LL 401	4	83	33		6448	63.9	66.9	1129	7577
249	LEMONT	5	79	35		6502	66.1	70.7	1022	7524
221	9902134	4	79	39		7069	58.9	67.6	391	7460
260	RU 9803181	5	77	33		6159	69.9	73.0	1231	7390
254	DELLMATI	5	68	40	80	4491	56.9	68.8	1541	6032
239	S-102	4	67	36	90	5300	64.8	72.5	720	6020
225	0002137	4	80	39		5130	57.8	67.0	443	5573
253	DELLA	4	83	52		4831	55.6	68.2	614	5446
C.V. %		12.1	1.3	4.2		9.1	3.8	2.2	22.4	9.2
LSD (0.05)		0.8	1.6	2.5		1008.2	4.1	2.5	501.2	1227.8

## 2001 CA - CATAHOULA

200200198

ENTRY	SOURCE	VIG	YLD
220	XP 1003	5	7305
213	0102034	5	7028
258	RU 0104073	6	6878
208	9802051	4	6876
256	RU 9901081	4	6860
211	0102008	4	6765
216	0102065	5	6716
210	0102005	4	6697
224	9902195	7	6630
257	RU 0001151	6	6588
248	SABER (TX 6178)	4	6507
223	9902155	5	6487
260	RU 9803181	5	6436
212	0102022	4	6415
215	0102048	4	6375
229	LL 001	3	6357
241	WELLS	3	6308
234	99LL 355	4	6287
206	0002011	5	6278
217	0102068	4	6238
232	99LL 113	4	6060
238	LAFITTE	5	6027
233	99LL 184	3	5944
202	CL 121	5	5925
219	9802028	4	5924
222	XP 1015	5	5900
218	0102071	6	5871
221	9902134	5	5865
247	LAGRUE	4	5856
239	S-102	5	5828
227	0002146	4	5796
235	99LL 624	4	5784
240	COCODRIE	4	5778
214	0002174	5	5767
226	0002140	4	5721
231	LL 601	3	5702
250	PRISCILLA	5	5620
243	DREW	4	5597
251	TORO-2	4	5479
242	CYPRESS	4	5455
203	CL 141	5	5418
207	0002062	4	5402
228	0002125	4	5389

## 2001 CA - CATAHOULA

200200198

ENTRY	SOURCE	VIG	YLD
204	CL 161	4	5388
205	CFX 29	4	5332
244	JACKSON	7	5255
230	LL 401	4	5247
209	0102002	5	5229
245	JEFFERSON	5	5190
255	AHRENT (9901030)	4	5179
259	RU 9903092	6	5085
249	LEMONT	5	4902
237	BENGAL	3	4902
236	EARL	3	4830
201	CF 51	5	4758
246	MAYBELLE	4	4603
252	DELLROSE	5	4494
254	DELLMATI	6	4180
225	0002137	5	3675
253	DELLA	4	3344
C.V. %		14.1	10.8
LSD (0.05)		1.0	1002.2

200200198

23



2001 CA  
Averaged over locations

200200198

ENTRY	SOURCE	VIG	DAYS	INCH	YLD	LDG	WHOLE	TOTAL
260	RU 9803181	5	79	35	6820	13	67.8	71.3
207	0002062	4	78	36	6814		64.1	70.1
242	CYPRESS	4	81	36	6812		67.0	69.8
232	99LL 113	4	77	36	6780		65.4	70.8
203	CL 141	4	77	44	6717	8	64.6	70.0
205	CFX 29	4	80	38	6655	16	66.8	70.6
228	0002125	4	84	39	6619		56.1	64.9
259	RU 9903092	5	76	36	6471		66.1	70.5
249	LEMONT	5	82	35	6392	17	67.0	71.4
246	MAYBELLE	4	70	40	6374	40	62.4	69.5
248	SABER (TX 6178)	4	78	38	6202		67.5	69.4
252	DELLROSE	5	78	38	6004	17	67.4	70.7
201	CF 51	5	74	34	5938	18	64.1	69.9
239	S-102	5	69	38	5725	76	63.9	70.9
225	0002137	4	82	40	5596	27	56.9	66.7
253	DELLA	4	82	52	5099	78	59.2	68.2
254	DELLMATI	5	71	44	4406	59	60.6	69.5

Vigor - 6 Locations

Days to heading - 6 Locations

Plant height - 6 Locations

Milling - 4 Locations

Entries 220 and 222 - 6 Locations

200200198

Cereal Chemistry Data Table

OQ#	LAB #	ID	GR TYPE	% amyI	Alk. Avg.	Alk. Min.	Alk. Max.
OQ 697	1086	LL 001	M	13.4	6	6	6
				13.3			
OQ 698	1087	LL 401	M	13.1	5.8	4	6
				13			
OQ 699	1088	LL 601	M	12.8	6.2	6	7
				12.4			
OQ 700	1089	BNGL	M	12.4	6	6	6
				12.4			
OQ 701	1090	CPRS	L	21.3	2.9	2	4
				20.7			
OQ 702	1091	CL 161	L	21.8	4.1	4	5
				21.6			
OQ 703	1092	CCDR	L	23.8	3	3	3
				24			



RAD  
 8/12/04  
**U.S. DEPARTMENT OF AGRICULTURE  
 AGRICULTURAL MARKETING SERVICE**

**EXHIBIT E  
 STATEMENT OF THE BASIS OF OWNERSHIP**

**1. NAME OF APPLICANT(S)**

Board of Supervisors of Louisiana State University and Agricultural and Mechanical College

**4. ADDRESS (Street and No., or P.O.D. No., City, State, and ZIP, and Country)**

**LSU AgCenter Rice Research Station  
 1373 Caffey Road  
 Rayne, LA 70578**

**2. TEMPORARY DESIGNATION  
 OR EXPERIMENTAL NUMBER**

**CFX18**

**5. TELEPHONE (include area code)**

**337/788-7531**

**3. VARIETY NAME**

**CL161**

**6. FAX (include area code)**

**337/788-7553**

**7. PVPO NUMBER**

**200200198**

**8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain**

**YES**

**NO**

**9. Is the applicant (individual or company) a U.S. National or a U.S. based company? If no, give name of country**

**YES**

**10. Is the applicant the original owner?**

YES

NO

**If no, please answer one of the following:**

**a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?**

**YES       NO      If no, give name of country**

**b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?**

**YES       NO      If no, give name of country**

**11. Additional explanation on ownership (If needed, use the reverse for extra space):**

**Owned by the Louisiana State University Agricultural Center.**

RAD  
 8/12/04

**PLEASE NOTE:**

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 6 minutes per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, sexual orientation, or marital or family status. (Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (braille, large print, audiotape, etc.) should contact the USDA's TARGET Center at 202-720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.